

What is claimed is:

1. A locking mechanism, comprising:

at least one latching member;

at least one spring loaded locking member adapted to securely engage said at least one latching member at one end when said at least one latching member is fully inserted in at least one spacing provided at said one end, said at least one latching member forcing said at least one spring loaded locking member to move against its spring bias when said at least one latching member is being inserted in said at least one spacing, said at least one spring loaded locking member having moved under its spring bias when said at least one latching member is fully inserted in said at least one spacing; and

means for moving said at least one spring loaded locking member against its spring bias to allow said at least one fully inserted latching member to disengage from said at least one spring loaded locking member.

2. The locking mechanism of claim 1, wherein said moving means includes at least one groove adapted to guide the movement of said at least one spring loaded locking member and at least one knob extending integrally from said at least one spring loaded locking member to which an external force may be applied to move said at least one spring loaded locking member against its spring bias.

3. The locking mechanism of claim 1, wherein said moving means includes at least one groove adapted to guide the movement of said at least one spring loaded locking member and at least one rack and pinion mechanism operatively coupled to said at least one guiding groove and used to move said at least one spring loaded locking member against its spring bias.

4. The locking mechanism of claim 1, wherein said at least one latching member and said at least one spring loaded locking member are used to removably lock a battery cover to the main body of a mobile telephone set.

5. The locking mechanism of claim 2, wherein said at least one latching member and said at least one spring loaded locking member are used to removably lock a battery cover to the main body of a mobile telephone set.

6. The locking mechanism of claim 3, wherein said at least one latching member and said at least one spring loaded locking member are used to removably lock a battery cover to the main body of a mobile telephone set.

7. The locking mechanism of claim 2, wherein said at least one spring loaded locking member comprises first and second locking legs adapted to form said at least one spacing.

8. The locking mechanism of claim 3, wherein said at least one spring loaded

locking member comprises first and second locking legs adapted to form said at least one spacing.

9. The locking mechanism of claim 7, wherein said first locking leg includes a first surface adapted to engage a corresponding first surface on said at least one latching member.

10. The locking mechanism of claim 8, wherein said first locking leg includes a first surface adapted to engage a corresponding first surface on said at least one latching member.

11. The locking mechanism of claim 9, wherein said second locking leg includes a first surface adapted to match the curvature of a corresponding second surface on said at least one latching member.

12. The locking mechanism of claim 10, wherein said second locking leg includes a first surface adapted to match the curvature of a corresponding second surface on said at least one latching member.

13. The locking mechanism of claim 11, wherein said second surface of said at least one latching member is adapted to allow said at least one latching member smooth entry into said at least one spacing.

14. The locking mechanism of claim 13, wherein said second surface of said at least one latching member pushes against said first surface of said second locking leg when said at least one latching member is being inserted in said at least one spacing.

15. The locking mechanism of claim 12, wherein said second surface of said at least one latching member is adapted to allow said at least one latching member smooth entry into said at least one spacing.

16. The locking mechanism of claim 15, wherein said second surface of said at least one latching member pushes against said first surface of said second locking leg when said at least one latching member is being inserted in said at least one spacing.

17. The locking mechanism of claim 14, wherein said second locking leg pushes said at least one latching member out of said at least one spacing when said at least one fully inserted latching member is being released from the grip of said first and second locking legs.

18. The locking mechanism of claim 16, wherein said second locking leg pushes said at least one latching member out of said at least one spacing when said at least one fully inserted latching member is being released from the grip of said first and second locking legs.

19. The locking mechanism of claim 3, wherein said moving means further includes at least one connection link integrally extending from said at least one locking member, and at least one knob protruding from said at least one connection link to which an external force is applied to move said at least one spring loaded locking member against its spring bias.